

## Planning: Master Test Plan

### Instruction

*This document is used to define the details of the master test plan. Once the test plan is outlined, the document must be reviewed and approved by the lead technical representative on the project as well as the lead business representative on the project. If anything related to the test plan changes during the execution and testing phase of the project, this document should be updated and re-approved by both parties.*

### Test Scope

*This section is used to provide a high-level description of the business processes to be tested and a high-level description of the type of testing required for this project. It also defines what is not in scope for the testing phase of the project.*

This test plan will test all the requirements for NYUTRADE System. This Master Test Plan covers integration, user acceptance, specifically alpha testing, regression testing, and unit testing.

### Test Features

*This is a description of the features that will be tested within the scope of the test plan. The list represents what will be tested as well as the individuals/groups involved with the testing activities.*

BR#	Feature	Responsible party or groups
1.	Login (Incorporate Google Sign In and MFA through Firebase )	Developers (IT)
2.	Product Posting (Incorporate Firebase DB)	Developers (IT)
3.	Product Browsing	Developers (IT)
4.	Product Filtering	Developers (IT)
5.	Bidding System	Developers (IT)

6.	Chat System	Developers (IT)
7.	Search	Developers (IT)
8.	Product Requesting	Developers (IT)

## Test Strategy

*This is a description of the recommended testing approach for this project. This describes “how” the test items and features will be tested.*

<u>Test Type</u>	<u>Description</u>	<u>Comment</u>
Unit Test	This tests units as they get developed.	Performed by developers
Integration Test	This type tests all changed functionality end to end when all the units are added together.	
User Acceptance Test: Alpha Testing	Typically performed by Business User, this tests all changed functionality of a system from the end-user perspective. The test is carried out in a controlled environment	
Regression Test	This tests the entire system to ensure that any untouched functionality did not get adversely impacted by the project-related work.	

## Test Environment (tools, system, databases)

*This is a list of the testing tools, systems, and databases.*

<u>Tools</u>	<u>Description</u>	<u>Version</u>
Manual input	Manual entry of data onto screen or gui.	n/a
<u>System</u>		
Test System: Web	Test on Chrome emulator	96.0.4664.93
Test System: IOS (emulator)	Iphone 13 simulator, Xcode	IOS 15.0
Test System: IOS (physical device)	Iphone 11, Xcode	IOS 15.1
<u>Database</u>		
Test database 1	FireBase test database	n/a

## Test Roles and Responsibilities

*This is a list of the testing roles and responsibilities.*

<u>Resource</u>	<u>Role</u>	<u>Responsibility</u>
Aigerim Zhusubalieva , NYUAD	Test Manager, Test Designer	<ul style="list-style-type: none"><li>• Provides technical direction.</li><li>• Acquires testing resources.</li><li>• Assigns tasks to testing resources.</li><li>• Communicates test results to management.</li><li>• Documents test plan.</li><li>• Evaluates effectiveness of test effort.</li></ul>
Ananta Manoranjan , NYUAD	Test Designer	<ul style="list-style-type: none"><li>• Documents test plan.</li><li>• Identifies, documents and prioritizes test cases.</li><li>• Evaluates effectiveness of test effort.</li></ul>
Priyamvada Daga , NYUAD	Test System Administrator	<ul style="list-style-type: none"><li>• Ensures the test environment and assets are installed, managed and maintained.</li><li>• Includes administration of testing ids.</li></ul>
Ryan Elliot Hsu , NYUAD	Tester	<ul style="list-style-type: none"><li>• Executes test cases, logs defects, and documents test results.</li></ul>

## Test Milestones

*This is a list of the critical test milestone dates. Be sure to include these dates in the overall project plan.*

<u>Task</u>	<u>Milestone Date</u>
Setup Test Environment	11/29/21
Complete Unit Testing	12/05/21
Complete Integration Testing	12/07/21
Complete User Acceptance Testing	12/08/21
Complete Regression Testing	12/08/21

### Document Approval

*The signatures below acknowledge that the test plan outlined above is complete and accurate. Upon receiving written approval, the project team will proceed to the next step of the project.*

*If anything changes during the execution of the project, the test plan will be updated and re-approved accordingly.*

Approved by: Printed name	Approved by: Title	Approved By: Signature/Date
Ananta Manoranjan	Business Representative	Ananta, Dec 6, 2021
Aigerim Zhusubalieva	IT Representative	Aigerim, Dec 6, 2021

### Document Tracking

Date	Action Taken	By Whom
Nov 29, 2021	Test Plan Created	Aigerim Zhusubalieva
Dec 6, 2021	Test Plan Reviewed	Ananta Manoranjan
Dec 7, 2021	Test Plan Reviewed	Aigerim Zhusubalieva